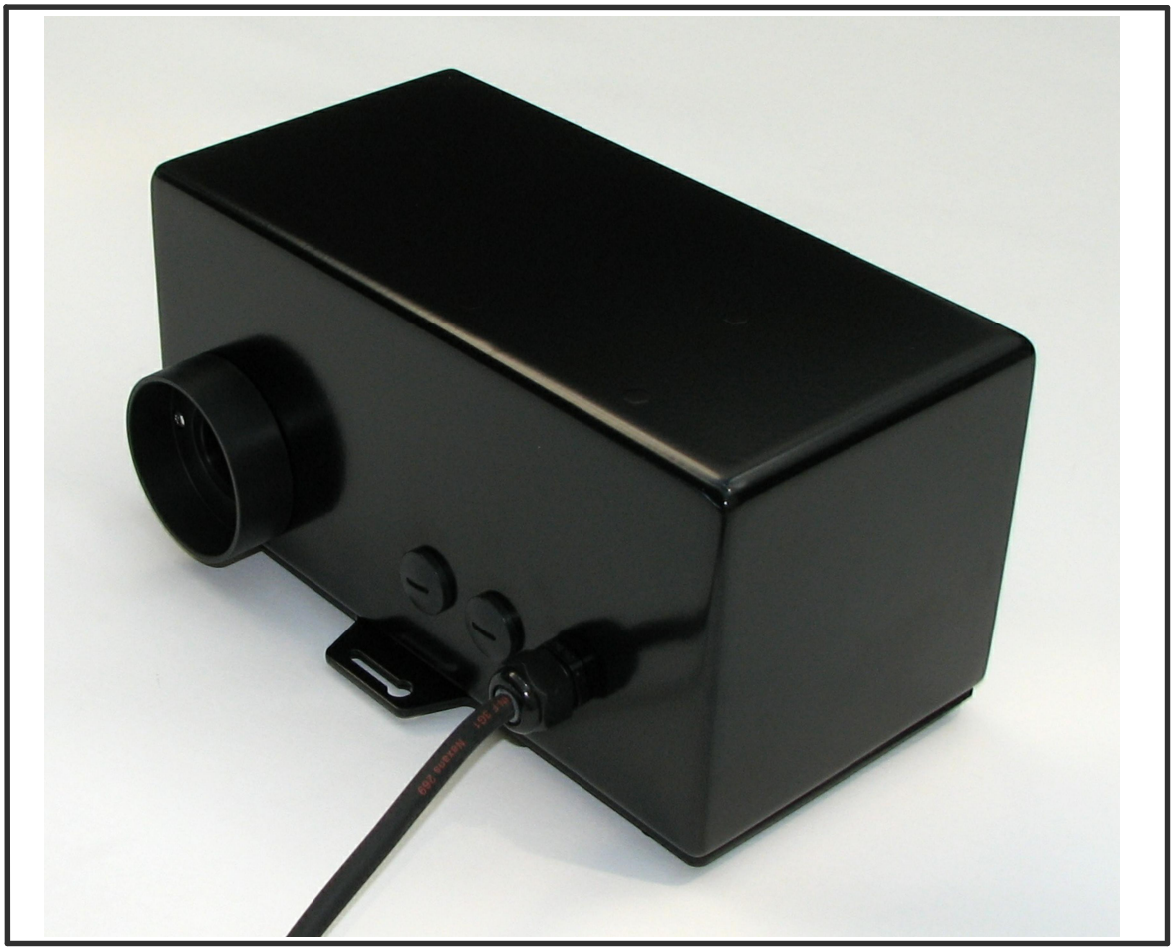
FL 1000 XT F

LED light generators with colour- or twinkle wheel.

User manual



Item no.:	0123 6118	FL 1000 XT F Colour 3000K
	0123 6218	FL 1000 XT F Twinkle 3000K
	0123 6128	FL 1000 XT F Colour 4000K
	0123 6228	FL 1000 XT F Twinkle 4000K

Roblon

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1. Introduction.

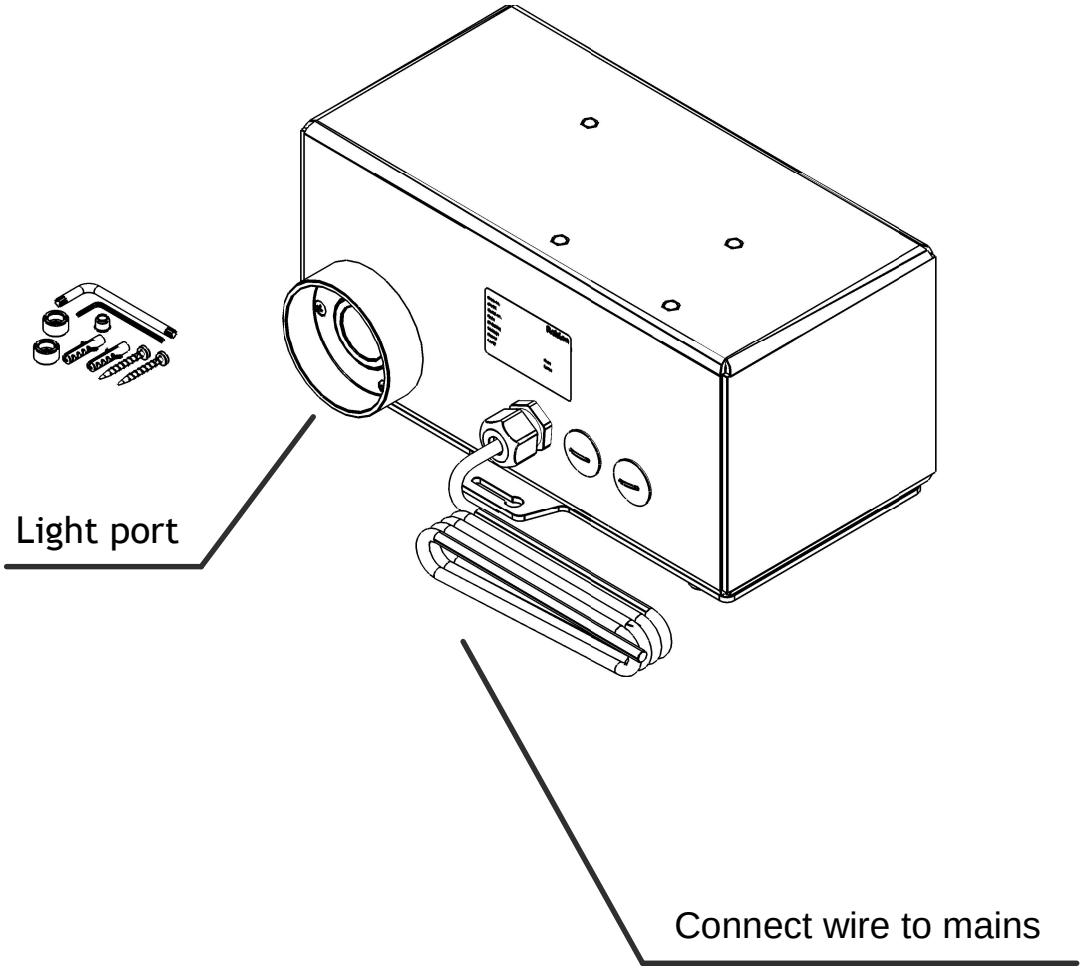
Roblon FL 1000 XT F light generator with colour or twinkle wheel are designed for use outdoors with glass or PMMA fibre in all installation set-ups, including in closed compartments.
Weatherproof, waterproof LED light generator.
Cuts energy consumption by min. 63% compared with equivalent halogen generators. For functional and decorative tasks outdoors and in wet locations. Ideal for fountains, public art, facades, signage, parks, gardens and swimming pools

Follow the installation instructions correctly in order to ensure

- safe operation
- enhanced functionality
- extended lifetime for components
- uninterrupted illumination

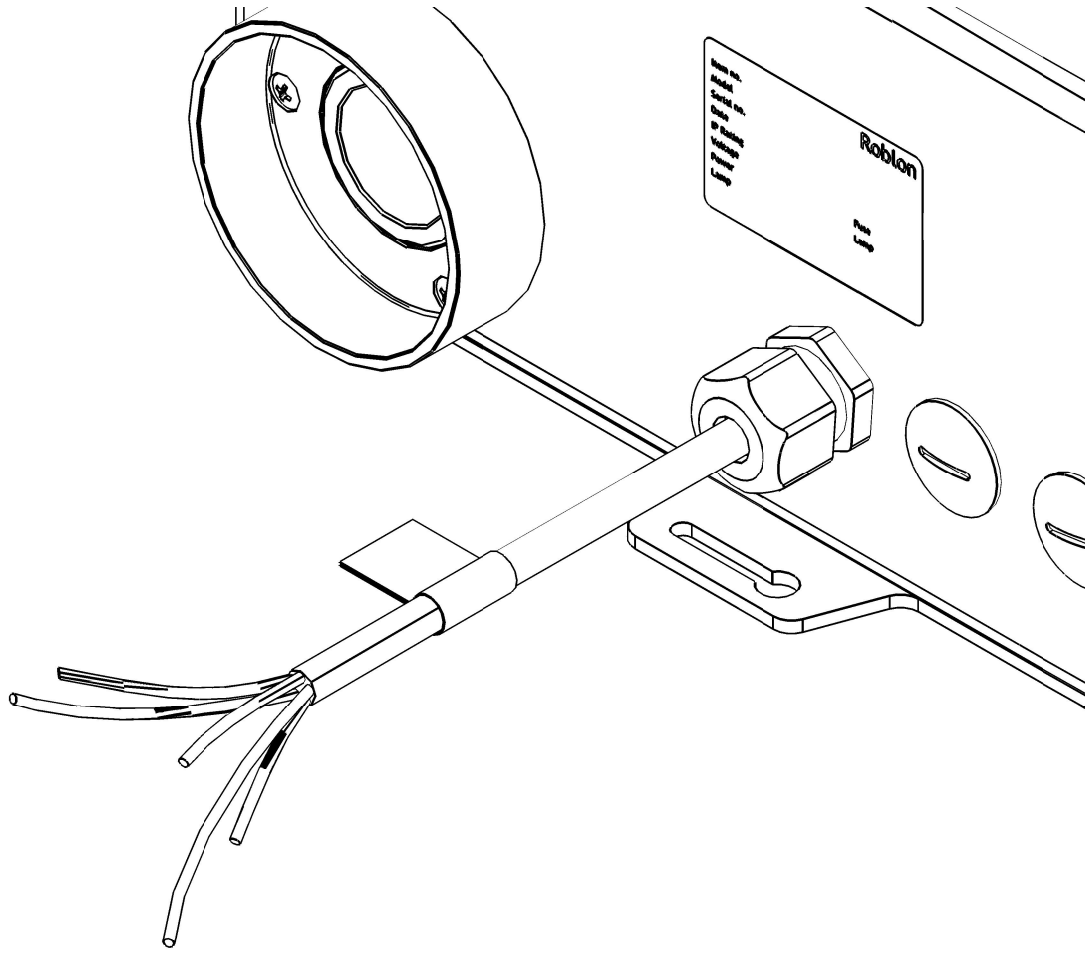
2. Product overview
when unpacking the light generator.

FL 1000 XT F light generator
Allen key
Screws w/ plugs
User manual



3. Connecting the light generator.

FL 1000 XT F light generator



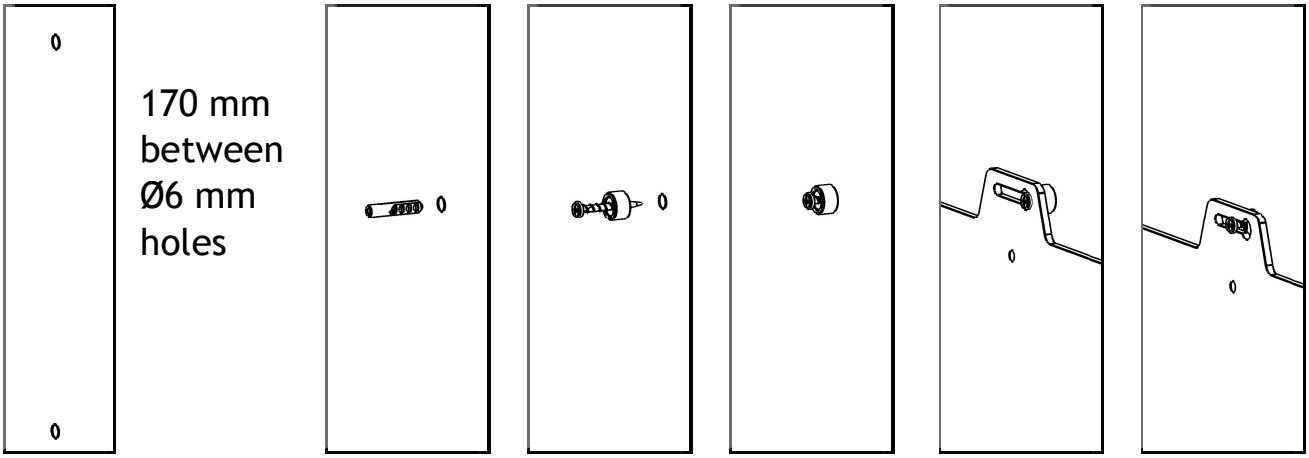
Blue wire	N
Black wire	Push Dim.
Brown wire	Lamp ON/OFF
Grey wire	Wheel ON/OFF
Green wire	⏚ Ground

4. Surface-mounting.

4a Surface-mounting.

1. Attach to surface using two screws in the baseplate holes.

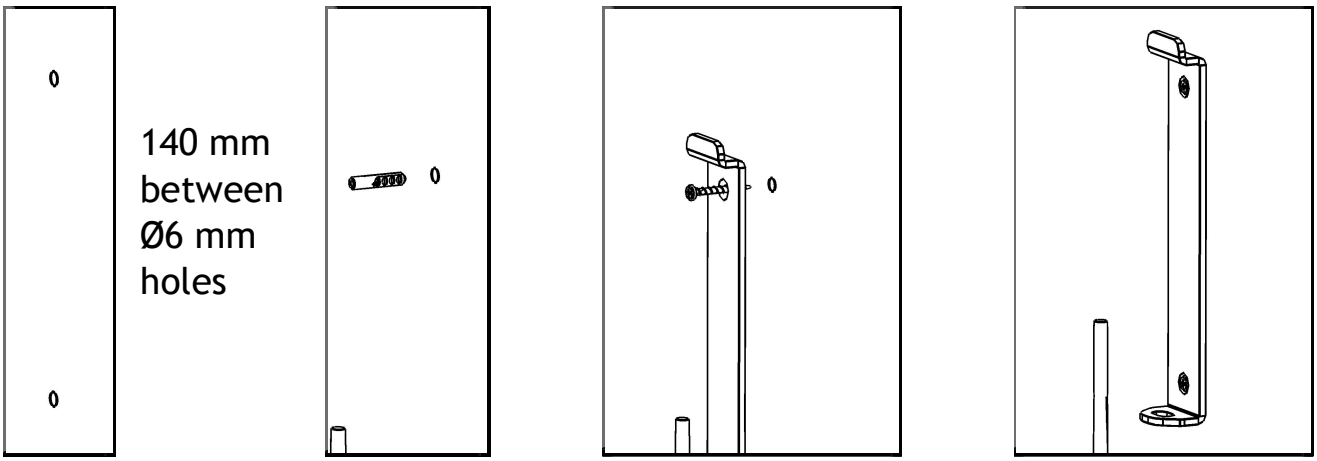
2. Vertical installation: to maintain IP 65 protection, mount with the light port facing down.



4b Bracket-mounting.

1. Attach the bracket (not supplied; see Accessories) to the surface using two screws.

2. Mount the light generator on the bracket.



5. Installation.

1. Remove the plastic plug on the baseplate, directly bellow the light port.

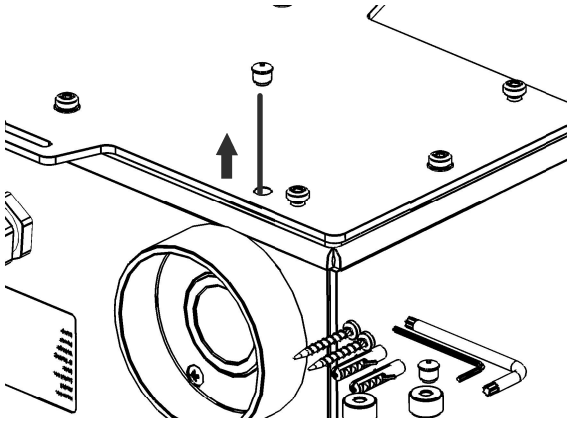
2. Insert the common end fully in the light port.

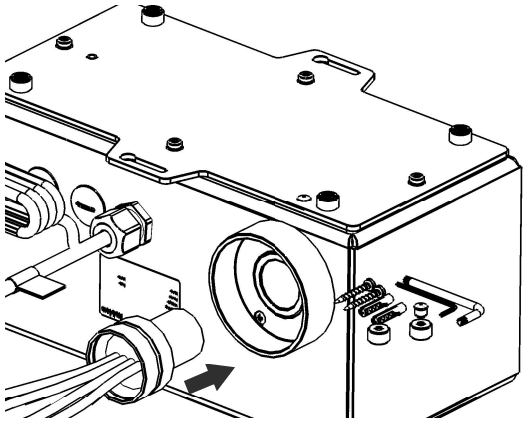
3. Tighten the screw on the base with the Allen key.

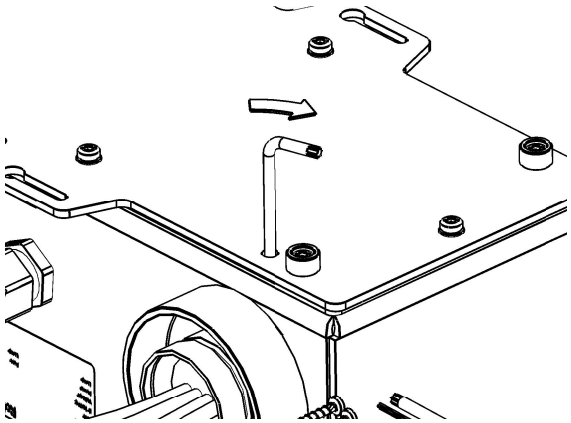
4. Insert the plastic plug. (Important to be IP 65!)

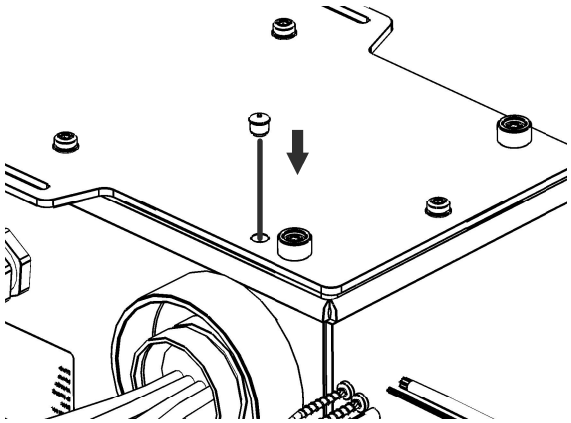
5. Ensure all installation and ventilation requirements are met.

6. Connect the power cord to the mains.





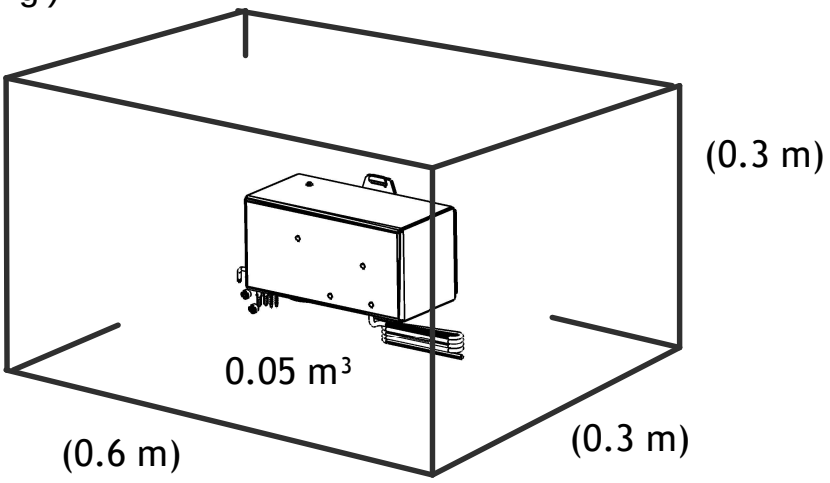




6. Installing in closed compartments.

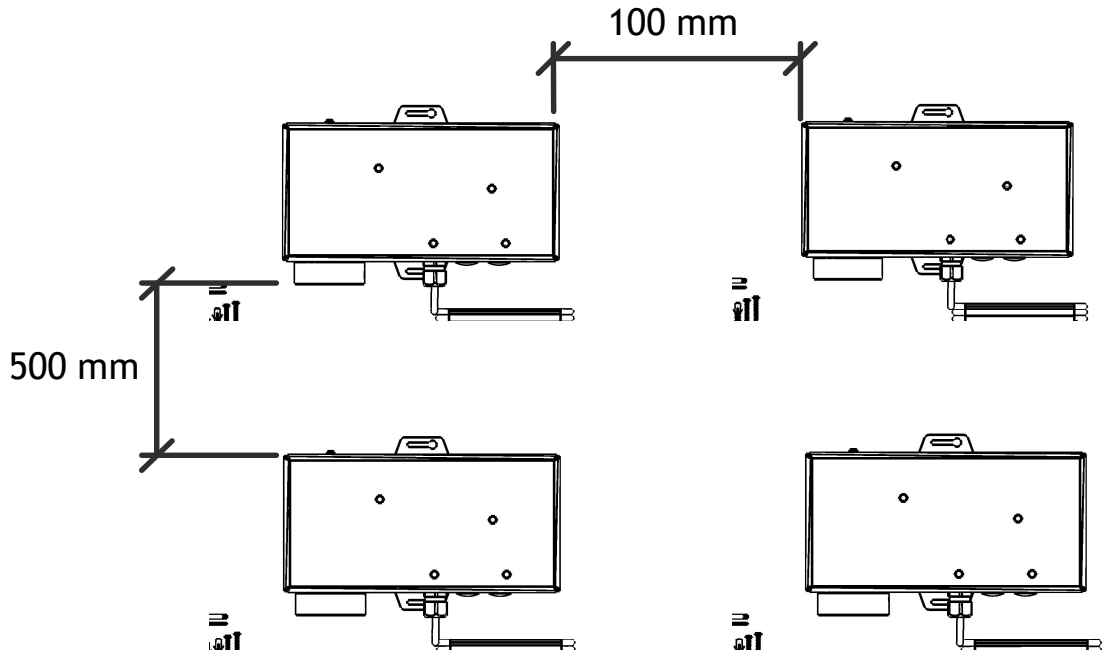
Requirements:

Enough space to allow natural heat transmission through surfaces.
Surfaces should not be insulated.
Air volume per light generator minimum 0.05 m^3.
Ventilation holes per light generator with min. 20 cm^2 air inlet and min. 20 cm^2 air outlet.
Inlet and outlet ventilation holes opposite each other.
Max. ambient temperature 45°C. (Measuring temperature: see 'Troubleshooting').



7. Installing one or more light generators.

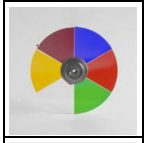
Requirement: min. 100 mm distance between adjacent light generators in order to ensure sufficient heat transmission



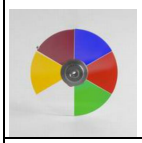
8. Technical data.

Light port	Ø9/Ø28 mm
Fibre type	PMMA / Glass
Total power consumption @ 700 mA	22 W
Supply voltage	120-240 V / 50-60 Hz
Main fuse	2 A
Power cord	Supply cord without plug
Wheel type	Colour wheel 6 colours Twinkle wheel white light/twinkle
Light source	LED
Light source power	19.3 W
Applied LED	LUXEON S1000 LXS8-PW30 (3,000 K) LUXEON S1000 LXS8-PW40 (4,000 K)
Light source lifetime	50,000 hours
CCT (nominal)	3,000 K / 4,000 K
CRI8 (Ra) typical value	85
Operating environment	Outdoor/wet locations
Protection rating	IP 65
Driver type	Electronic
Driver lifetime	50,000 hours
Dimmable	
Thermal protection	Integrated auto
Cooling system	Natural convection
Noise level	N/a
Ambient temperature	-20°C to 45°C
Material	EN AW-5754 (AlMg 3) + POM
Dimensions (L x H x W)	298 x 185 x 151
Weight	3.0 kg
Surface treathment	Painted
Colour	Black RAL 9005
Safety	CE, RoHS, F

9. Spare parts.

Image	Model designation	Description	Item no.
	TCI 50W Max. dim.	Driver EN/US 100-240V Maxi Jolly Dali	0129 3002
	Colour wheel	Standard 6 colour	5100 0085
	Twinkle wheel		5100 0092
	Diode LED	LED module, no cooling	0129 4004
	Motor for wheel	1 rpm 230V AC Gear 1:500	6400 1220
	Spring-clip 4 mm	Lock for wheel	9100 6304

10. Accessories.

Image	Model designation	Description	Item no.
	Mounting bracket	Bracket that can be padlocked	0126 7000
	Colour wheel mix.	Standard 6 colour Custom specified colour wheel	5100 0153
	Colour wheel special	Rosco Permacolour Custom specified colour wheel	5100 0154
	Spring-clip 4 mm	Lock for wheel	9100 6304
	Kit for twinkle wheel	For insert in twinkle wheel to avoid constant white light.	0126 6220

11. Troubleshooting.

Problem	Trace the problem	Solution
No light	Is the power on?	Turn the power on
	Is the power cord connected properly?	Connect the power cord properly
	Is the light generator too hot*?	Check it is installed according to the instructions. Switch generator off. Let it cool for 15 minutes. Try again.
	Is the LED working?	Replace the LED
	Is the Supply fuse intact?	Replace the Supply fuse
Light output has diminished	Is the harness common end dirty?	Clean filter with damp cloth Dry with lint-free cloth

* Ambient temperature: max. 45°C. Measured 50 mm from light generator.
Surface temperature: max. 73°C. Measured 15 mm from edge on top of light generator when it has been running for min. 1 hour

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